Marine Biology

International Journal on Life in Oceans and Coastal Waters

Volume 70, 1982

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Experimental Biology: Research on metabolic rates and routes in microorganisms, plants and animals. Respiration; nutrition; life cycles.

Biochemistry, Physiology and Behaviour: Biochemical research on marine organisms; photosynthesis; permeability; osmoregulation; ionregulation; active transport; adaptation; analyses of environmental effects on functions (tolerances, rates and efficiencies of metabolism, growth and reproduction) and structures; migrations; orientation; general behaviour.

Biosystem Research: Experimental biosystems and microcosms. Energy budgets: flow routes and balance sheets of energy and matter in the marine environment. Interspecific interrelationships, food webs. Dynamics and structures of microbial, plant and animal populations. Use, management and protection of living marine resources. Effects of man on marine life, including pollution.

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Volumes 68–73 (3 issues each) will appear in 1982. The price of each volume is DM 266.00. Information about obtaining back volumes and microform editions is available upon request. Changes of address: Allow six weeks for all changes to become effective. All communications should include both old and new addresses (with zip codes) and should be accompanied by a mailing label from a recent issue.

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Responsible for advertisements: E. LÜCKERMANN, G. PROBST, Kurfürstendamm 237, D-1000 Berlin 15, Springer-Verlag Berlin Heidelberg New York
Printed in Germany by: Graphischer Betrieb Konrad Triltsch, D-8700 Würzburg
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